

[illegible]

FIGURE 1A

387	396	405	414	423	432
GAC ACC ACC TCC TCA AAG ACA ACC CAG GGC AGG AAA GAG CTG CAA AAG ATT GTG					
D T T S S K K T T Q G R K E L Q K I V					
441	450	459	468	477	486
GAC AAA TTT GAG TCA CTT CTC ACC AAT CAG ACT TTA TGG AGA ACA GAA GGG AGA					
D K F E S L L T N Q T L W R T E G R					
495	504	513	522	531	540
CAA GAA ATC TCA TCC ACA GCT ACC ACT ATT CTC CGG GAT GTG GAA TCG AAA GTT					
Q E I S S T A T I L R D V E S K V					
549	558	567	576	585	594
CTA GAA ACT GCC TTG AAA GAT CCA GAA CAA AAA GTC CTG AAA ATC CAA AAC GAT					
L E T A L K K D P E Q K V L K I Q N D					
603	612	621	630	639	648
AGT GTA GCT ATT GAA ACT CAA GCG ATT ACA GAC AAT TGC TCT GAA GAA AGA AAG					
S V A I E T Q A I T D N C S E E R K					
657	666	675	684	693	702
ACA TTC AAC TTG AAC GTC CAA ATG AAC TCA ATG GAC ATC CGT TGC AGT GAC ATC					
T F N L N V Q M N S M D I R C S D I					
711	720	729	738	747	756
ATC CAG GGA GAC ACA CAA GGT CCC AGT GTC ATT GCC TTT ATC TCA TAT TCT TCT					
I Q G D T Q G G P S V I A F I S Y S S					

FIGURE 1B

765	774	783	792	801	810
CTT GGA AAC ATC ATA AAT GCA ACT TTT TTT GAA GAG ATG GAT AAG AAA GAT CAA	L G N I I N A T F F E E M D K K D Q				
819	828	837	846	855	864
GTG TAT CTG AAC TCT CAG GTT GTG AGT GCT GCT ATT GGA CCC AAA AGG AAC GTG	V Y L N S Q V V S A A I G P K R N V				
873	882	891	900	909	918
TCT CTC TCC AAG TCT GTG ACG CTG ACT TTC CAG CAC GTG AAG ATG ACC CCC AGT	S L S K S V T L T F Q H V K M T P S				
927	936	945	954	963	972
ACC AAA AAG GTC TTC TGT GTC TAC TGG AAG AGC ACA GGG CAG GGC AGC CAG TGG	T K K A G V F C V Y W K S T G Q G S Q W				
981	990	999	1008	1017	1026
TCC AGG GAT GGC TGC TTC CTG ATA CAC GTG AAC AAG AGT CAC ACC ATG TGT AAT	S R D G C F L I H V N K S H T M C N				
1035	1044	1053	1062	1071	1080
TCC AGT CAC CTG TCC AGC TTC GCT GTC CTG ATG GCC CTG ACC AGC CAG GAG GAG	C S H L S S F A V L M A L T S Q E E				
1089	1098	1107	1116	1125	1134
GAT CCC GTG CTG ACT GTC ATC ACC TAC GTG GGG CTG AGC GTC TCT CTG CTG TGC	D P V L T V I T Y V G L S V S L L C				

FIGURE 1C

1143	CTC CTC GCG GCC CTC	1152	1161	1170	1179	1188
L L L A A L T F L L C K A I Q N T S						
1197	ACC TCA CTG CAT CTG CAG CTC TCG CTC TGC CTC TTC	1206	1215	1224	1233	1242
T S L L H L Q L L S L C L F L A H L L F						
1251	CTC GTG GGG ATT GAT CGA ACT GAA CCC AAG GTG CTG TGC TCC ATC ATC GCC GGT	1260	1269	1278	1287	1296
L V G I D R T E P K V L C S I I A G						
1305	GCT TTG CAC TAT CTC TAC CTC GCC GCC TTC ACC TGG ATG CTG CTG GAG GGT GTG	1314	1323	1332	1341	1350
A L H Y L Y L A A F T W M L L E G V						
1359	CAC CTC TTC CTC ACT GCA CGG AAC CTG ACA GTG GTC AAC TAC TCA AGC ATC AAT	1368	1377	1386	1395	1404
H L F L T A R N L T V V N Y S I N						
1413	AGA CTC ATG AAG TGG ATC ATG TTC CCA GTC GGC TAT GGC GTT CCC GGT GTG ACT	1422	1431	1440	1449	1458
R L M K W I M F P V G Y G V P A V T						
1467	GTG GCC ATT TCT GCA GCC TCC TGG CCT CAC CTT TAT GGA ACT GCT GAT CGA TGC	1476	1485	1494	1503	1512
V A I S A A S W P H L Y G T A D R C						

FIGURE 1D

1521	TGG CTC CAC	1530	TTC ATG TGG AGT TTC	1557	GCC CCA GTC	1566	TGT GGC
	W L H L D Q G G F M W S F L G P V C A						
1575	ATT TTC TCT	1584	TTG TTT ATC TTG GTC	1611	TTG ATT	1620	TTG AAA AGA
	I F S A N L L V L V L F I L V F W I L K R						
1629	AAA CTT TCC	1638	TCC CTC AAT AGT GAA GTG TCA ACC ATC	1665	ACA AGG ATG	1674	CTG
	K L S S L N S E V S T I Q N T R M L						
1683	GCT TTC AAA	1692	GCA ACA GCT CAG CTC TTC ATC CTG GGC	1719	TGG TGT	1728	CTG GGC
	A F K A A T A Q L F I L G C T W C L G						
1737	TTG CTA CAG	1746	GGT CCA GCT GCC CAG GTC ATG GGC TAC CTC	1773	ATC ACC ATC	1782	ATC
	L L Q V G P A A Q V M A Y L F T I I						
1791	AAC AGC CTC	1800	CAA GGC TTC TTC ATC TTC TTG GTC TAC TGC CTC	1827	AGC CAG	1836	CAG
	N S L Q G F F I F L V Y C L L S Q Q						
1845	GTC CAG AAA	1854	CAA TAT CAA AAG TGG TTT AGA GAG ATC GTA AAA	1881	TCA AAA	1890	TCT GAG
	V Q K Q Y Q K K W F R E I V K S K S E						

FIGURE 1E

1899	1917	1926	1935	1944
TCT GAG ACA TAC ACA CTT TCC AGC AAG ATG GGT CCT GAC TCA AAA CCC AGT GAG				
S E T Y T L S S K M G P D S K P S E				
1953	1971	1980	1989	1998
GGG GAT GTT TTT CCA GGA CAA GTG AAG AGA AAA TAT TAA AAC TAG AAT ATT CAA				
G D V F P G Q V K R K Y				
2007	2025	2034	2043	2052
CTC CAT ATG GAA AAT CAT ATC CAT GGA TCT CTT TGG CAT TAT GAA GAA TGA AGC				
2061	2079	2088	2097	2106
TAA GGA AAA GGG AAT TCA TTA AAC ATA TCA TCC TTG GAG AGG AAG TAA TCA ACC				
2115	2133	2142	2151	2160
TTT ACT TCC CAA ACT GTT TGT TCT CCA CAA TAG GCT CTC AAC AAA TGT GTG GTA				
2169	2187	2196	2205	2214
AAT TGC ATT TCT CTT CAC TAT GGT GTA TTC AGT CAA TGC TTG TCC CTG GAA ACC				
2223	2241	2250	2259	2268
CAA AGC ATG ACC ACT GCA AAT ATT TCC TTG ACT TTT TGT AAA TGA AGA GGT CCT				
2277	2295	2304	2313	2322
TTT CCT CAA GTT CTT AGT CCC ACT CAT CCT AAA CTT GCT CTT TTT TTA AGA CAG				
2331	2349	2358	2367	2376
AGT TTC ACT CTG TCA CCC AGG CTG GAG TGT AGT GGC ATG ATC GTA GCT CAC TGC				

FIGURE IF

2385	2394	2403	2412	2421	2430
AGC CTC AAA	CTC CAG AGC	TCA ACT GGT	TCT TCA GCC	TCA GCT TCC	CAA AGT GCT
2439	2448	2457	2466	2475	2484
GGG ATT ACA	GGC ATG AGC	CAC TGC ACC	TGG CCA TAA	ACT TGC TCT	TTA AAC TCA
2493	2502	2511	2520	2529	2538
CTC ATT CCC	TCA AAC CAT	CAG CTT CCT	ACT GGC TTT	ACT TCC TTG	CTA GAT ACA
2547	2556	2565	2574	2583	2592
GGC TAA TTT	TTT TTT TTT	TTT TTT TTT	TTT TTT GAG	ATG GAG TTT	CGC TCT TGT
2601	2610	2619	2628	2637	2646
TGC CCA GGC	TGG AGT GCA	ACG GCG TGA	GTG CAA CCT	CTG CCT CCC	GGG TTC AAG
2655	2664	2673	2682	2691	2700
CGA TTC TTC	TGC CTC AGC	CTC CCA AGT	AGC TGG CGT	TAC AGG TAT	GGA CCA CCA
2709	2718	2727	2736	2745	2754
TGT CCG GCT	AAT TTT GTA	TTT TTA GTA	GAG ACA GGG	TTT CTC CAT	GTT GGT CAG
2763	2772	2781	2790	2799	2808
GCT GGT CTC	GAA CTC CCA	GCC GGT TCA	GGT GAT CCA	CCT GAC TTG	GCC TCC CAA
2817	2826	2835	2844	2853	2862
TGC TGG GAT	TAC AGG CAT	GAG CCA CCG	TGC CCA GCC	CAG GCT AAC	TTA TTT TCT

FIGURE 1G

2871	TCT	GAG	ACT	GAG	TCT	CAC	TAC	TGT	CAC	CCA	GGC	TGG	AGT	GCA	GTG	AGA	TCT	2907	2916
2880																			
2891																			
2900																			
2910																			
2920																			
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2960																			
2970																			
2980																			
2990																			
3000																			
3010																			
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3320																			
3330																			
3340																			

AG 3'

FIGURE 1H

1	MQG	-	-	PL	LL	PG	L	C	F	L	S	L	F	G	A	V	T	Q	K	T	S	-	429905
1	MRG	F	N	L	L	L	F	W	G	C	V	M	H	S	W	E	G	H	I	R	P	T	GI 784994
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GI 2935597	
28	-	-	-	CA	K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	429905	
31	KGN	C	R	D	S	T	L	C	P	A	Y	A	T	C	T	N	T	V	D	S	Y	C	GI 784994
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GI 2935597	
48	G	Y	T	S	G	S	G	Q	K	L	F	T	F	P	L	E	T	C	N	D	I	N	429905
61	G	F	L	S	S	N	G	Q	N	H	F	K	D	P	G	V	R	C	K	D	I	D	GI 784994
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GI 2935597	
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	429905	
91	C	G	P	N	S	S	C	K	N	L	S	G	R	Y	K	C	S	C	L	D	G	F	GI 784994
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GI 2935597	
82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	429905	
121	V	P	G	K	P	G	N	F	S	C	T	D	I	N	E	C	L	T	S	R	V	C	GI 784994
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GI 2935597	
88	V	E	G	S	F	Y	C	Q	C	V	P	G	Y	R	L	H	S	G	N	E	Q	F	429905
151	S	M	G	S	Y	S	C	S	C	Q	V	G	F	I	S	R	N	S	T	C	E	D	GI 784994
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GI 2935597	

FIGURE 2A

127	- - - - Q G R K E	- - - L Q K I V D K F E S L L T N Q T L W	429905
361	D K V C E N K T T V V S	L K N T T E S F V P V L K Q I S M W	GI 784994
1	- - - - - - - - - -	- - - - - - - - - -	GI 2935597
150	R T E G R Q E I S S T A T T I L R D V E S K V L E T A L K D	429905	
391	T K F T K E E T S S L A T V F L E S V E S M T L A S F W K P	GI 784994	
1	- - - - - - - - - -	- - - - - - - - - -	GI 2935597
180	P E Q K V L K I Q N D S V A I E T Q A I T D N C S E E R K T	429905	
421	S A N V T P A V R A E Y L D I E S K V I N K E C S E E N V T	GI 784994	
1	- - - - - - - - - -	- - - - - - - - - -	GI 2935597
210	F N L N V Q M N S M D I R C S D I I Q G D T Q G P S V I A F	429905	
451	L D L V A K G D K M I G C S T I E E S E S T E T G V A F	GI 784994	
1	- - - - - - - - - -	- - - - - - - - - -	GI 2935597
240	I S Y S S L G N I I N A T F F E E M D	- - - - - K K D Q V Y	429905
481	V S F V G M E S V L N E R F F Q D H Q A P L T T S E I K L K	GI 784994	
1	- - - - - - - - - -	- - - - - - - - - -	GI 2935597
265	L N S Q V V S A A I G P K R N V S L S K S V T L T F Q H V K	429905	
511	M N S R V V G G I M T G E K K D G F S D P I I Y T L E N V Q	GI 784994	
1	- - - - - - - - - -	- - - - - - - - - -	GI 2935597

295	M	T	P	S	T	K	K	V	F	C	V	Y	W	K	S	T	G	Q	G	S	Q	-	W	S	R	D	G	C	F	L	429905		
541	P	K	Q	K	F	E	R	P	I	C	V	S	W	S	T	D	V	K	G	G	R	-	W	T	S	F	G	C	V	I	GI 784994		
1	-	-	-	-	-	-	-	-	-	K	V	L	C	V	F	W	E	H	G	Q	N	G	C	G	H	W	A	T	T	G	C	S	GI 2935597
324	I	H	V	N	K	S	H	T	M	C	N	C	S	H	L	S	S	F	A	V	L	M	A	L	T	S	Q	E	E	D	429905		
570	L	E	A	S	E	T	Y	T	I	C	S	C	N	Q	M	A	N	L	A	V	I	M	A	S	G	E	L	T	M	D	GI 784994		
25	I	G	T	R	D	T	S	T	I	C	R	C	T	H	L	S	S	F	A	V	L	M	A	H	Y	D	V	Q	E	D	GI 2935597		
354	P	V	L	T	V	I	T	Y	V	G	L	S	V	S	L	C	L	L	A	A	L	T	F	L	L	C	K	A	429905				
600	F	S	L	Y	I	I	S	H	V	G	I	I	S	L	V	C	L	V	L	A	I	A	T	F	L	L	C	R	S	GI 784994			
55	P	V	L	T	V	I	T	Y	M	G	L	S	V	S	L	C	L	L	A	A	L	T	F	L	L	C	K	A	GI 2935597				
384	I	Q	N	T	S	T	S	L	H	L	Q	L	S	L	C	L	F	L	A	H	L	L	F	L	V	G	I	D	R	T	429905		
630	I	R	N	H	N	T	Y	L	H	L	H	L	C	V	C	L	L	A	K	T	L	F	L	A	G	I	H	K	T	GI 784994			
85	I	Q	N	T	S	T	S	L	H	L	Q	L	S	L	C	L	F	L	A	H	L	L	F	L	V	A	I	D	Q	T	GI 2935597		
414	E	P	K	V	L	C	S	I	I	A	G	A	L	H	Y	L	Y	L	A	A	F	T	W	M	L	L	E	G	V	H	429905		
660	D	N	K	T	G	C	A	I	I	A	G	F	L	H	Y	L	F	L	A	C	F	F	W	M	L	V	E	A	V	I	GI 784994		
115	G	H	K	V	L	C	S	I	I	A	G	T	L	H	Y	L	Y	L	A	T	F	T	W	M	L	L	E	A	L	Y	GI 2935597		
444	L	F	L	T	A	R	N	L	T	V	V	N	Y	S	S	I	N	R	L	M	K	W	I	M	F	P	V	G	Y	G	429905		
690	L	F	L	M	V	R	N	L	K	V	V	N	Y	F	S	S	R	N	I	K	M	L	H	I	C	A	F	G	Y	G	GI 784994		
145	L	F	L	T	A	R	N	L	T	V	V	N	Y	S	S	I	N	R	F	M	K	K	L	M	F	P	V	G	Y	G	GI 2935597		

FIGURE 2D

474 V P A V T V A I S A A S W P H L Y G T A D R C W L H L D Q G 429905
 720 L P M L V V I S A S V Q P Q G Y G M H N R C W L N T E T G GI 784994
 175 V P A V T V A I S A A S R P H L Y G T P S R C W L Q P E K G GI 2935597

 504 F M W S F L G P V C A I F S A N L V L F I L V F W I L K R K 429905
 750 F I W S F L G P V C T V I V I N S L L L T W T L W I L R Q R GI 784994
 205 F I W G F L G P V C A I F S V N L V L F L V T L W I L K N R GI 2935597

 534 L S S L N S E V S T I Q N T R M L A F K A T A Q L F I L G C 429905
 780 L S S V N A E V S T L K D T R L T F K A F A Q L F I L G C GI 784994
 235 L S S L N S E V S T L R N T R M L A F K A T A Q L F I L G C GI 2935597

 564 T W C L G L L Q V G P A A Q V M A Y L F T I I N S L Q G F F 429905
 810 S W V L G I F Q I G P V A G V M A Y L F T I I N S L Q G A F GI 784994
 265 T W C L G I L Q V G P A A R V M A Y L F T I I N S L Q G V F GI 2935597

 594 I F L V Y C L L S Q Q V Q K Q Y Q K W F R E I V K S K S E S 429905
 840 I F L I H C L L N G Q V R E E Y K R W I T G K T K P S S Q S GI 784994
 295 I F L V Y C L L S Q Q V R E Q Y G K W S K G I R K L K T E S GI 2935597

 624 E T Y - T L S S K M G P D S K P S E G D V F P G Q V K R K Y 429905
 870 Q T S R I L L S S M P S A S K T G GI 784994
 325 E M H T L S S S A K A D T S K P S T V N GI 2935597

FIGURE 2E

Figure 3

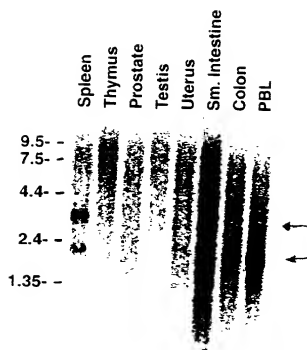


Figure 4

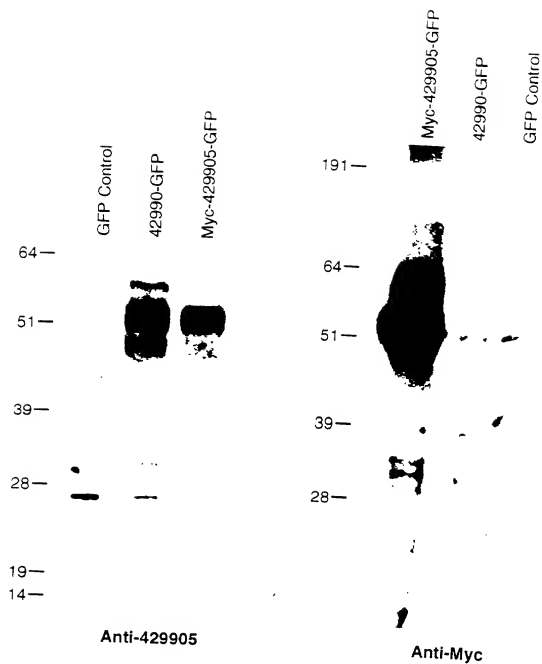


Figure 5

